PACIFIC21[*1]

2004 FDSN Report

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PACIFIC21 has integrated the broadband seismograms from three projects which had started in April 1996: (1) Fundamental Research on Earthquake and Earth'S Interior Anomaly (FREESIA), which is now integrated into F-NET, (2) Plume project, and (3) *Umi-Hankyu* (Ocean Hemisphere) Network. Under the FREESIA, they installed about 50 STS-1 or CMG-1 broadband seismometers in Japanese Islands. 3 component continuous data are archived at National Institute of Earth Science and Disaster Prevention in real-time. Under the Plume project they have collaborated with IRIS to establish broadband seismograph stations in Southern Pacific Ocean. This network is called SPANET. They also had mobile seismic array system with more than 20 broadband seismometers and operated this array in Indonesia. *Umi-Hankyu* is the successor of the project POSEIDON. Under *Umi-Hankyu* project, they have installed long term ocean bottom seismometer in ODP drill holes and ocean floor. *Umi-Hankyu* project maintains broadband seismograph stations that have been installed during project POSEIDON and upgraded data logging systems and seismometers.

Since both the plume project and the *Umi-Hankkyu* project had been terminated in 2001, it has been decided that terrestrial broadband seismic stations and marine geophysical network, which were constructed under *Umi-Hankyu* project will be maintained by new project called, Institute for Frontier Research on Earth Evolution (IFREE), which has started in April of 2001. The SPANET broadband seismic stations will be maintained by NIED. Within first five years of IFREE, the new network data center will be operated under IFREE. That data center will manage PACIFIC21 dataset and other geophysical dataset from marine geophysical network. This network data center will be operated based on the network based datacenter system "ninja", developed by Earthquake Research Institute of the University of Tokyo. For the time being, seismograms of PACIFIC21 dataset can be retrieved at each data center, such as

(1) http://ohpdmc.eri.u-tokyo.ac.jp and http://www.jamstec.go.jp/pacific21/

(2) http://hotspot.plume.bosai.go.jp

(3) http://www.fnet.bosai.go.jp/freesia/

IFREE data center has also started to distribute broadband seismograms in XML-SEED format at http://www.jamstec.go.jp/pacific21/xmlninja/.

*1 The network formerly known as POSEIDON